

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for BETA-PINENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abies alba	Leaf	218.0	304.0	0.019267779959206085	--
Abies alba	Resin, Exudate, Sap				--
Abies spectabilis	Leaf	165.0	255.0	-0.05300680771779102	--
Achillea millefolium	Leaf	1.0	720.0	0.6328642794210592	--
Acinos alpinus	Shoot		0.5	-0.12106536201419683	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. <i>Flav. & Frag. J.</i> 8:127-130.)
Acinos suaveolens	Shoot		11300.0	0.6704421301795939	Jim Duke's personal files.
Acinos alpinus	Shoot		0.5	-0.12106536201419683	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. <i>Flav. & Frag. J.</i> 8:127-130.)
Acorus calamus	Rhizome		150.0	1.1206310514564426	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Aeolanthus myriantha	Flower				Wealth of India.
Aesculus hippocastanum	Flower Essent. Oil		122000.0		Jim Duke's personal files.
Agastache foeniculum	Plant	2.0	25.0	-0.4084932537932118	--
Agastache rugosa	Essential Oil				Jim Duke's personal files.
Agastache urticifolia	Plant		46.0	-0.3858188344740607	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agastache rugosa	Tissue Culture				Jim Duke's personal files.
Agastache nepetoides	Plant		2.0	-0.43332714161894864	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agathosma betulina	Leaf Essent. Oil				--
Ageratum conyzoides	Plant	0.8	6.5	-0.42846833747913055	--
Ageratum conyzoides	Shoot		240.0	-0.10428886355139645	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Aloysia citrodora</i>	Plant	5.0	35.0	-0.3976959112602827	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Alpinia galanga</i>	Rhizome Essent. Oil		400.0	-1.1990012482664167	--
<i>Alpinia galanga</i>	Rhizome	1.0	20.0	-1.3074028933658497	--
<i>Alpinia galanga</i>	Leaf		170.0	-0.17838109246360231	--
<i>Alpinia galanga</i>	Leaf Essent. Oil		0.1	-1.022967739867963	--
<i>Alpinia officinarum</i>	Rhizome				Wealth of India.
<i>Amomum compactum</i>	Seed		3840.0	-0.2229548048978156	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
<i>Anethum graveolens</i>	Leaf Essent. Oil		13600.0	-0.3687230671050535	--
<i>Anethum graveolens</i>	Leaf	1.0	40.0	-0.3701299985454314	--
<i>Anethum graveolens</i>	Essential Oil				--
<i>Anethum graveolens</i>	Shoot Essent. Oil				--
<i>Anethum graveolens</i>	Plant				--
<i>Angelica archangelica</i>	Root Essent. Oil				--
<i>Angelica archangelica</i>	Fruit				--
<i>Angelica archangelica</i>	Root	2.0	2400.0	2.065213478268315	--
<i>Angelica archangelica</i>	Seed Essent. Oil				--
<i>Aniba rosaeodora</i>	Essential Oil				--
<i>Annona squamosa</i>	Plant				--
<i>Apium graveolens</i>	Seed	57.0	1530.0	-0.5053346825286588	--
<i>Apium graveolens</i>	Seed Essent. Oil	5000.0	15000.0	-0.7438446821280019	--
<i>Apium graveolens</i>	Fruit Essent. Oil	5.0	15000.0	-0.5950573182789025	--
<i>Apium graveolens</i>	Root Essent. Oil		179000.0	1.3589513237802975	--
<i>Apium graveolens</i>	Leaf Essent. Oil		2000.0	-0.9267593911993299	--
<i>Apium graveolens</i>	Stem Essent. Oil		12000.0	-1.0	--
<i>Aralia cordata</i>	Root		37.0	-0.6524955151313665	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Artemisia salsolooides</i>	Shoot		2600.0	0.06102444071669903	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
<i>Artemisia vulgaris</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Artemisia capillaris</i>	Essential Oil				--
<i>Artemisia dracunculus</i>	Essential Oil				--
<i>Artemisia herba-alba</i>	Plant				--
<i>Artemisia annua</i>	Plant				--
<i>Artemisia dracunculus</i>	Shoot				--
<i>Artemisia dracunculus</i>	Leaf Essent. Oil				--
<i>Artemisia annua</i>	Shoot	3.0	840.0	-0.06226005738154163	--
<i>Ballota nigra</i>	Plant		1.0	-0.4344068758722416	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Boswellia serrata</i>	Essential Oil		62000.0	0.6462841768599185	--
<i>Boswellia serrata</i>	Resin, Exudate, Sap				Sabinsa: A series of well documented proprietary PR booklets, e.g. Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
<i>Boswellia sacra</i>	Resin Essent. Oil		4000.0		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
<i>Calamintha nepeta</i>	Shoot		21.0	-0.11962937780339346	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . J. Ess. Oil Res. 4:189-190
<i>Calamintha nepeta</i>	Plant		35.0	-0.3976959112602827	J. Ethnopharmacology, 39: 167.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Calamintha nepeta	Leaf		95.0	-0.28900546135696525	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> and <i>Ziziphora clinopodioides</i> from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
Callicarpa americana	Leaf		100.0	-0.28163050343074103	--
Capsicum frutescens	Fruit				--
Capsicum annuum	Fruit				--
Carum carvi	Fruit	270.0	600.0	-0.2786206877223514	--
Carum carvi	Seed	40.0	600.0	-0.6190200878086086	--
Carum carvi	Plant		20.0	-0.4138919250596763	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Centella asiatica	Essential Oil		2000.0	-0.6859771042347549	Jim Duke's personal files.
Centella asiatica	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
Chamaemelum nobile	Plant				--
Chrysanthemum parthenium	Shoot		4.0	-0.12082019397820601	Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. <i>Flavor and Fragrance Journal</i> 11(6): 367-71.
Chrysanthemum x morifolium	Plant	0.4	1.5	-0.4338670087455951	Wealth of India.
Chrysanthemum balsamita	Plant				--
Cinnamomum verum	Stem Bark				--
Cinnamomum verum	Leaf	25.0	50.0	-0.355380082692983	--
Cinnamomum aromaticum	Bark				Wealth of India.
Cinnamomum camphora	Plant				--
Cinnamomum verum	Leaf Essent. Oil				--
Cinnamomum camphora	Leaf	140.0	280.0	-0.016132018086670048	--
Cinnamomum aromaticum	Plant				--
Cinnamomum verum	Root Bark				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cinnamomum verum</i>	Bark	14.0	76.0	1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Cistus ladaniferus</i>	Leaf	6.0	420.0	0.19036680384760757	--
<i>Citrus limon</i>	Leaf Essent. Oil		7000.0	-0.6862264928828316	Jim Duke's personal files.
<i>Citrus paradisi</i>	Pericarp	0.7	2.0		--
<i>Citrus reticulata</i>	Fruit	20.0	23.0	-0.2971064953564389	--
<i>Citrus aurantiifolia</i>	Fruit	90.0	1190.0	-0.2597183887550868	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Citrus aurantium</i>	Plant				--
<i>Citrus limon</i>	Pericarp Essent. Oil				Jim Duke's personal files.
<i>Citrus limon</i>	Pericarp				Jim Duke's personal files.
<i>Citrus paradisi</i>	Leaf		55.0	-0.34800512476675877	--
<i>Citrus limon</i>	Essential Oil	40.0	1270.0	-0.7021862831547401	--
<i>Citrus mitis</i>	Fruit Juice		2.0		--
<i>Citrus limon</i>	Fruit Essent. Oil		7000.0	-0.6959144908685471	Jim Duke's personal files.
<i>Citrus sinensis</i>	Fruit	11.0	13.0	-0.29742687330503664	--
<i>Citrus limon</i>	Petiole		595.0		--
<i>Citrus aurantium</i>	Leaf	70.0	170.0	-0.17838109246360231	--
<i>Cleonia lusitanica</i>	Leaf	15.0	35.0	-0.37750495647165555	Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442.
<i>Coleus barbatus</i>	Leaf Essent. Oil		40100.0	0.9061012939723879	Jim Duke's personal files.
<i>Coleus barbatus</i>	Root Essent. Oil		54000.0	-0.4550569268799015	Jim Duke's personal files.
<i>Coleus barbatus</i>	Stem Essent. Oil		40100.0	1.0	Jim Duke's personal files.
<i>Collinsonia canadensis</i>	Plant				--
<i>Coriandrum sativum</i>	Essential Oil				--
<i>Coriandrum sativum</i>	Fruit	69.0	83.0	-0.2951842276648527	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Coriandrum sativum</i>	Seed Essent. Oil	2100.0	13400.0	-0.7558724890143567	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coridothymus capitatus</i>	Shoot		0.0	-0.12110038601933838	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
<i>Crocus sativus</i>	Silk Stigma Style				--
<i>Croton eluteria</i>	Bark				--
<i>Croton lechleri</i>	Plant				Taylor, Leslie. 2005. <i>The Healing Power of Rainforest Herbs</i> . SquareOne Publisher, Garden City Park, NY. 519 pp.
<i>Cuminum cyminum</i>	Fruit	48.0	6600.0	-0.08639391856372851	--
<i>Cuminum cyminum</i>	Seed Essent. Oil		60300.0	-0.4033073996580829	--
<i>Cuminum cyminum</i>	Seed	48.0	6600.0	0.11443413980397102	--
<i>Cunila origanoides</i>	Shoot		28.0	-0.11913904173141182	Lawrence, B.M., <i>Essential Oils 1976-1977</i> , <i>Essential Oils 1978</i> , <i>Essential Oils 1979-1980</i> .
<i>Curcuma longa</i>	Tuber				--
<i>Curcuma longa</i>	Rhizome Essent. Oil		2700.0	-0.04995838534443404	--
<i>Curcuma longa</i>	Leaf		215.0	-0.11200647112758456	--
<i>Curcuma longa</i>	Essential Oil		2700.0	-0.670434055955317	--
<i>Curcuma longa</i>	Rhizome				--
<i>Cymbopogon nardus</i>	Plant				Lawrence, B.M., <i>Essential Oils 1976-1977</i> , <i>Essential Oils 1978</i> , <i>Essential Oils 1979-1980</i> .
<i>Cyperus rotundus</i>	Root				--
<i>Daucus carota</i>	Seed	50.0	5500.0	-0.02003246859166858	--
<i>Daucus carota</i>	Root		4.0	-0.6904491320514636	--
<i>Daucus carota</i>	Shoot		44.0	-0.11801827356688235	--
<i>Dictamnus albus</i>	Shoot		0.5	-0.12106536201419683	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot		0.7	-0.12105135241214017	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Dictamnus albus</i>	Shoot		0.7	-0.12105135241214017	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dracocephalum thymiflora</i>	Plant		2.0	-0.43332714161894864	--
<i>Echinacea spp</i>	Fruit				Economic & Medicinal Plant Research, 5: 253.
<i>Elettaria cardamomum</i>	Root Essent. Oil		28000.0	-0.8323706430172229	--
<i>Elettaria cardamomum</i>	Fruit	70.0	1094.0	-0.26279401706162475	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
<i>Elettaria cardamomum</i>	Seed Essent. Oil	3800.0	26000.0	-0.661153509784313	--
<i>Elettaria cardamomum</i>	Fruit Essent. Oil				--
<i>Elsholtzia polystachya</i>	Leaf		6.4	-0.41968971580965797	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from <i>Elsholtzia polystachya</i> from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
<i>Elsholtzia cristata</i>	Shoot		0.1	-0.12109338121831005	Kobold, U., Vostrowsky, O., Bestmann, H.J., Bisht, J.C., Pant, A.K., Melkani, A.B. and Mathela, C.S. 1987. Terpenoids from <i>Elsholtzia</i> Species; II. Constituents of Essential Oil from a New Chemotype of <i>Elsholtzia cristata</i> . <i>Planta Medica</i> 1987: 268-271.
<i>Elsholtzia polystachya</i>	Leaf		6.4	-0.41968971580965797	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from <i>Elsholtzia polystachya</i> from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
<i>Elsholtzia blanda</i>	Shoot		0.5	-0.12106536201419683	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Perihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of <i>Elsholtsia blanda</i> Benth. (Labiatae). <i>J. Ess. Oils Res.</i> 4: 121-124
<i>Elsholtzia pilosa</i>	Shoot		34.0	-0.11871875366971327	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus populnea	Leaf		3.0	-0.4247046871994904	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus ceratocorys	Leaf		60.0	-0.3406301668405346	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumarria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus punctata	Shoot		1695.0	-0.00236900858949852	Zriria, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus botryoides	Shoot		0.1	-0.12109338121831005	Zriria, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus oviformis	Shoot		560.0	-0.08187350026080721	Zriria, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus nova-anglica	Leaf	4.0	7.0	-0.41880472085851106	Brophy, J. L., Lassak, E. V., & Boland, D. J. 1992. The Leaf Essential Oils of Eucalyptus nova-anglica. Deane & Maiden. Journal of Essential Oil Res. 4: 29-32.
Eucalyptus occidentalis	Shoot		20.0	-0.11969942581367655	Zriria, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus melanophloia	Leaf	0.0	0.8	-0.4279496686870291	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus maidenii	Shoot		45.0	-0.11794822555659927	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Shoot		7000.0	0.36923568596230105	--
Eucalyptus odorata	Leaf		195.0	-0.14150630283248133	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus globulus	Fruit Essent. Oil				--
Eucalyptus ochrophloia	Leaf		0.5	-0.4283921661626025	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus blakelyi	Shoot		0.1	-0.12109338121831005	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus dolichorhyncha	Leaf		38.0	-0.37307998171592105	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrastatae.Flavour and Fragrance J.9(3):113-7

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus tereticornis	Shoot		45.0	-0.11794822555659927	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus cuprea	Leaf		45.0	-0.36275504061920716	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus sparsa	Leaf		125.0	-0.24475571379962008	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus albens	Shoot		380.0	-0.09448214211176366	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus cladocalyx	Shoot		420.0	-0.09168022170044	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus siderophloia	Shoot		0.1	-0.12109338121831005	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus citriodora	Leaf Essent. Oil	11600.0	17000.0	-0.2051606962498346	--
Eucalyptus camaldulensis	Shoot		39.0	-0.11836851361829781	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus polyanthemos	Shoot		35.0	-0.11864870565943018	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus leucoxylon	Leaf		14.0	-0.40847977976179717	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus moluccana	Shoot		695.0	-0.07241701887258988	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus viridis	Leaf		2.0	-0.4261796787847352	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus maculata	Shoot		240.0	-0.1042886355139645	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Eucalyptus globulus	Leaf Essent. Oil	3900.0	5000.0	-0.7824396522094309	--
Eucalyptus porosa	Leaf		100.0	-0.28163050343074103	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus forrestiana	Leaf		250.0	-0.06038176564401521	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus intertexta	Leaf		30.0	-0.3848799143978798	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus astringens	Shoot		155.0	-0.11024294442545922	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus diversicolor	Shoot		0.1	-0.12109338121831005	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus stoatei	Leaf		110.0	-0.26688058757829264	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus grandis	Leaf Essent. Oil		5000.0	-0.7824396522094309	--
Eucalyptus largisparsa	Leaf		4.6	-0.42234470066309865	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus citriodora	Shoot		17000.0	1.0697157887932147	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus saligna	Shoot		0.1	-0.12109338121831005	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus paniculata	Shoot		60.0	-0.1168975054023529	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus brassiana	Leaf		45.0	-0.36275504061920716	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.
Eucalyptus fasciculosa	Leaf		2.0	-0.4261796787847352	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus melliodora	Shoot		100.0	-0.11409558499102924	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus desquamata	Leaf		75.0	-0.318505293061862	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus incrassata	Leaf		100.0	-0.28163050343074103	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus citriodora	Leaf	20.0	300.0	0.01336781361822673	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus globulus	Essential Oil		2000.0	-0.6859771042347549	--
Eucalyptus lansdowneana	Leaf		13.0	-0.409954771347042	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus bosistoana	Shoot		130.0	-0.1119941446825365	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus erythrandra	Leaf		75.0	-0.318505293061862	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumarria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus tetraptera	Leaf		100.0	-0.28163050343074103	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumarria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus behriana	Leaf		2.7	-0.4251471846750638	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus angulosa	Leaf		12.0	-0.41142976293228684	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Symphyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus dealbata	Shoot		60.0	-0.1168975054023529	Zirira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus sideroxylon	Shoot		45.0	-0.11794822555659927	Zirira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus citriodora	Essential Oil				--
Ferula assa-foetida	Essential Oil				--
Ferula gummosa	Plant				--
Ficus carica	Leaf Essent. Oil				--
Foeniculum vulgare	Plant		10.0	-0.4246892675926054	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Foeniculum vulgare	Fruit	1.0	780.0	-0.2728538846475927	--
Foeniculum vulgare	Essential Oil	1000.0	6000.0	-0.59715968549511	Jim Duke's personal files.
Foeniculum vulgare	Seed	1.0	780.0	-0.5970164609802312	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Glechoma hederacea	Plant	3.0	17.0	-0.417131127819555	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma pulegioides	Plant	12.0	180.0	-0.241134444532811	--
Hedeoma pulegioides	Pollen Or Spore		2000.0		--
Hedeoma hispida	Plant		22.0	-0.4117324565530905	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma reverchonii	Plant		651.0	0.2674203887681488	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hedeoma drummondii</i>	Plant	0.0	540.0	0.14756988665263596	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedychium flavum</i>	Shoot		4960.0	0.22633774498479464	--
<i>Helianthus annuus</i>	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Helichrysum angustifolium</i>	Plant				--
<i>Hesperis matronalis</i>	Flower				Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from <i>Hesperis matronalis</i> Flowers. <i>Phytochemistry</i> , 38(4): 847-851.
<i>Houttuynia cordata</i>	Plant				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Houttuynia cordata</i>	Shoot Essent. Oil				--
<i>Humulus lupulus</i>	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Humulus lupulus</i>	Plant				--
<i>Humulus lupulus</i>	Essential Oil				--
<i>Hypericum perforatum</i>	Shoot				--
<i>Hypericum perforatum</i>	Fruit Essent. Oil				--
<i>Hypericum perforatum</i>	Plant	335.0	6055.0	6.102304293563025	--
<i>Hypericum perforatum</i>	Leaf Essent. Oil				--
<i>Hyptis suaveolens</i>	Shoot		80.0	-0.11549654519669107	Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321.
<i>Hyptis suaveolens</i>	Shoot		80.0	-0.11549654519669107	Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyssopus officinalis	Shoot		1315.0	-0.02898725249707324	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. <i>J. Ess. Oil Res.</i> 5: 609-611.
Hyssopus officinalis	Essential Oil		102000.0	1.5344583642563674	--
Hyssopus officinalis	Shoot		930.0	-0.055955736456063415	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		1050.0	-0.04754997522209245	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		620.0	-0.07767061964382173	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Leaf	66.0	4580.0	6.3263317984661365	--
Hyssopus officinalis	Shoot		780.0	-0.06646293799852712	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		1080.0	-0.04544853491359971	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		520.0	-0.08467542067213087	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		1315.0	-0.02898725249707324	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. <i>J. Ess. Oil Res.</i> 5: 609-611.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyssopus officinalis	Shoot		790.0	-0.06576245789569621	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		1750.0	0.0014836319760715047	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.
Hyssopus officinalis	Shoot		168000.0	11.646965341540012	--
Illicium verum	Plant		1.0	-0.4344068758722416	--
Illicium verum	Fruit		1.0	-0.2978113268433539	Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
Isanthus brachiatus	Plant		136.0	-0.288642751677699	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Juniperus communis	Fruit	22.0	580.0	-0.2792614436195468	--
Juniperus communis	Essential Oil		25000.0	-0.1752769464817969	--
Lantana camara	Shoot		28.0	-0.11913904173141182	--
Larrea tridentata	Essential Oil				--
Laurus nobilis	Leaf Essent. Oil	1600.0	54000.0	1.5747827512922534	--
Laurus nobilis	Leaf	130.0	2080.0	2.63885283535404	--
Lavandula angustifolia	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula x intermedia	Plant	15.0	70.0	-0.35990521239503087	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula x hybrida	Shoot	395.0	585.0	-0.0801223000372993	Tucker, A.O., Maciarelli, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (<i>Labiateae</i>). <i>J. Ess. Oil Res.</i> 5: 443-445.
Lavandula latifolia	Plant	60.0	374.0	-0.0316659993939868	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Leonotis leonurus</i>	Se		0.5		Pedro, L.G., Barroso, J.G., Marques, N.T., Ascensao, L., Pais, M.S.S. and Scheffer, J.J.C. 1991. Composition of the Essential Oil from Sepals of <i>Leonotis leonurus</i> R. Br. <i>J. Ess. Oil Res.</i> 3: 451-3
<i>Leonurus cardiaca</i>	Plant	1.0	2.0	-0.43332714161894864	--
<i>Lepechinia schiediana</i>	Plant		3000.0	2.8037161497531904	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lepechinia calycina</i>	Plant		90.0	-0.3383105273291727	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Levisticum officinale</i>	Root	21.0	210.0	-0.4535265537017665	--
<i>Lindera benzoin</i>	Leaf		2.0	-0.4261796787847352	--
<i>Lindera benzoin</i>	Fruit	18.0	26.0	-0.2970103819718596	--
<i>Lindera benzoin</i>	Twig	24.0	26.0		--
<i>Litsea glaucescens</i>	Shoot	80.0	110.0	-0.11339510488819833	Tucker, et al, EB46(1):21-24.1992
<i>Lycopus virginicus</i>	Plant	199.0	498.0	0.10222104801433382	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lycopus uniflorus</i>	Plant	7.0	112.0	-0.31455637375672874	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Magnolia denudata</i>	Leaf				--
<i>Magnolia denudata</i>	Bark				--
<i>Magnolia officinalis</i>	Plant				--
<i>Magnolia denudata</i>	Flower				--
<i>Magnolia denudata</i>	Twig				--
<i>Magnolia denudata</i>	Bulb				--
<i>Mangifera indica</i>	Flower				--
<i>Marrubium vulgare</i>	Plant				--
<i>Melaleuca linariifolia</i>	Leaf	150.0	200.0	-0.13413134490625717	Guenther, E., <i>The Essential Oils</i> , 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Melaleuca alternifolia</i>	Root Essent. Oil		10500.0	-1.0863317981096507	--
<i>Melaleuca cajuputi</i>	Leaf		130.0	-0.23738075587339588	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melaleuca alternifolia	Leaf Essent. Oil		16000.0	-0.2532672759131343	--
Melaleuca alternifolia	Leaf	59.0	950.0	0.9721123440273721	--
Melaleuca alternifolia	Essential Oil	300.0	7000.0	-0.5749553308101988	--
Mentha spicata	Essential Oil	3000.0	137000.0	2.3116107782282604	--
Mentha x rotundifolia	Leaf	9.0	330.0	0.057617561175571895	--
Mentha x piperita	Leaf	10.0	400.0	0.16086697214271078	--
Mentha arvensis var. piperascens	Leaf		800.0	0.7508636062406463	--
Mentha longifolia	Shoot	28.0	1160.0	-0.0398446940909524	--
Mentha aquatica	Shoot		24.0	-0.11941923377254418	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Shoot		13.0	-0.12018976188565819	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha spicata	Shoot				--
Mentha spicata	Leaf	9.0	3425.0	4.622716517508347	--
Mentha pulegium	Shoot				--
Mentha arvensis var. piperascens	Plant	10.0	1445.0	1.124729385882718	--
Mentha aquatica	Shoot		27.0	-0.11920908974169492	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Leaf	15.0	315.0	0.035492687396899314	--
Mentha pulegium	Plant	20.0	288.0	-0.1245231451771769	--
Mentha pulegium	Essential Oil	2000.0	14400.0	-0.41064310614185573	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha aquatica</i>	Shoot		13.0	-0.12018976188565819	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot		20.0	-0.11969942581367655	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Micromeria thymifolia</i>	Leaf		85.0	-0.3037553772094136	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot		400.0	-0.09308118190610183	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria fruticosa</i>	Shoot		400.0	-0.09308118190610183	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria varia</i>	Shoot		170.0	-0.10919222427121285	--
<i>Micromeria teneriffae</i>	Leaf		110.0	-0.26688058757829264	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria croatica</i>	Leaf		15.0	-0.40700478817655233	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Leaf		960.0	0.9868622598798206	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria varia	Shoot		170.0	-0.10919222427121285	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. & Fragr. J.</i> 10(3): 199-202.
Micromeria juliana	Leaf		50.0	-0.355380082692983	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
Micromeria myrtifolia	Shoot		0.5	-0.12106536201419683	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
Micromeria congesta	Leaf	275.0	320.0	0.0428676453231235	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
Micromeria dalmatica	Leaf		85.0	-0.3037553772094136	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
Minthostachys mollis	Shoot	3.0	5.0	-0.12075014596792293	Alkire, B.H., Tucker, A.O., and Maciarello, M.J. 1994. <i>Tipo (Minthostachys mollis (Lamiaceae): An Ecuadorian Mint.</i> <i>Econ. Bot.</i> 48(1): 60-64.
Moldavica thymiflora	Plant		2.0	-0.43332714161894864	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Leaf	45.0	80.0	-0.3111303351356378	--
Monarda fistulosa	Plant	3.0	93.0	-0.335071324569294	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Flower		7.0	-0.581400234916731	Flavour and Fragrance Journal, 6: 80.
Monarda citriodora	Leaf		50.0	-0.355380082692983	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. <i>J. Ess. Oil Res.</i> 6: 27-9.
Monarda didyma	Plant	25.0	240.0	-0.1763503893352365	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda citriodora	Flower		0.1	-0.612221913488214	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. <i>J. Ess. Oil Res.</i> 6: 27-9.
Monarda punctata	Plant	10.0	990.0	0.6334503006344446	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf		85.0	-0.3037553772094136	--
Myrciaria dubia	Fruit				--
Myristica fragrans	Leaf Essent. Oil				--
Myristica fragrans	Essential Oil	80000.0	150000.0	2.600267389132106	--
Myristica fragrans	Seed				--
Myristica fragrans	Seed Essent. Oil	78000.0	191000.0	0.5792140753710214	--
Myrrhis odorata	Essential Oil		200.0	-0.7259449426675951	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. <i>Econ. Bot.</i> 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
Myrtus communis	Plant	2.0	8.0	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Nardostachys jatamansi	Plant				--
Nepeta racemosa	Shoot		255.0	-0.10323814339715008	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
Nepeta cilicia	Shoot		13.0	-0.12018976188565819	--
Nepeta racemosa	Shoot		255.0	-0.10323814339715008	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
Ocimum kilimandscharicum	Flower	205.0	675.0	2.402495603597849	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum tenuiflorum	Leaf				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum basilicum	Essential Oil	5500.0	16000.0	-0.37511613864599774	--
Ocimum gratissimum	Leaf	19.0	41.0	-0.36865500696018655	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. J. Ess. Oil Res. 4: 231-234.
Ocimum suave	Shoot		12.0	-0.12025980989594129	J. Nat. Prod. 44: 308.
Ocimum gratissimum	Shoot		90.0	-0.11479606509386016	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum basilicum	Shoot Essent. Oil	8200.0	9300.0	1.1230823071409943	--
Ocimum gratissimum	Flower	10.0	37.0	-0.44739293677984854	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. J. Ess. Oil Res. 4: 231-234.
Ocimum kilimandscharicum	Leaf	260.0	485.0	0.2862412568885221	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum kilimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
Ocimum basilicum	Plant	3.0	160.0	-0.2627291295986692	--
Ocimum gratissimum	Plant	3.0	35.0	-0.3976959112602827	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Ocimum basilicum	Leaf Essent. Oil	7300.0	2000.0	-0.9267593911993299	--
Oenanthe javanica	Shoot				--
Origanum majorana	Essential Oil		4000.0	-0.6415683948649324	--
Origanum vulgare	Plant		50.0	-0.3814998974608891	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum onites	Shoot		0.0	-0.12110038601933838	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7.
Origanum majorana	Plant	6.0	34.0	-0.3987756455135756	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum syriacum	Shoot		560.0	-0.08187350026080721	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
Origanum sipyleum	Shoot		55.0	-0.11724774545376836	Baser, K.H.C., Ozek, T., Kurkcuglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum sipyleum	Shoot		165.0	-0.1095424643226283	Baser, K.H.C., Ozek, T., Kurkcuglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum vulgare	Essential Oil		12900.0	-0.44394963816922256	--
Origanum vulgare	Plant		2.5	-0.4327872744923022	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
Origanum onites	Shoot		0.0	-0.12110038601933838	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7.
Origanum vulgare	Shoot		45.0	-0.11794822555659927	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
Origanum syriacum	Shoot		30.0	-0.11899894571084564	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum sipyleum</i>	Shoot		165.0	-0.1095424643226283	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
<i>Origanum vulgare</i>	Plant	1.0	312.0	-0.0986095230981471	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Origanum vulgare</i>	Shoot Essent. Oil	800.0	1100.0	-1.4350496146801597	--
<i>Origanum vulgare</i>	Plant		3.5	-0.4317075402390093	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum onites</i>	Plant		3.0	-0.43224740736565576	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Origanum vulgare</i>	Plant		1.0	-0.4344068758722416	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum syriacum</i>	Shoot		560.0	-0.08187350026080721	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
<i>Origanum minutiflorum</i>	Shoot	31.0	39.0	-0.11836851361829781	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. <i>J. Ess. Oil Res.</i> 3: 445-446.
<i>Origanum sipyleum</i>	Shoot		13.0	-0.12018976188565819	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
<i>Pastinaca sativa</i>	Root				--
<i>Pelargonium graveolens</i>	Essential Oil				--
<i>Pelargonium roseum</i>	Shoot		18.0	-0.11983952183424273	--
<i>Perilla frutescens</i>	Shoot Essent. Oil		8000.0	0.7175248073400797	Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of <i>Perilla frutescens</i> (L.) Britton. <i>J. Essent. Oil Res.</i> , 7(4): 429-432.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Perilla frutescens	Leaf Essent. Oil		6000.0	-0.7343330725461312	Kang, R., Helms, R., Stout, M.J., Jaber, H., Chen, Z., and Nakatsu, T. 1992. Antimicrobial Activity of the Volatile Constituents of Perilla frutescens and Its Synergistic Effects with Polygodial. <i>J. Agric. Food Chem.</i> , 40: 2328-2330.
Petroselinum crispum	Seed	1.0	26460.0	2.5421676332016094	--
Petroselinum crispum	Leaf		2.4	-0.42558968215063736	--
Petroselinum crispum	Fruit Essent. Oil	2000.0	203900.0	1.7864326694940778	--
Petroselinum crispum	Seed Essent. Oil		378000.0	1.9849640052137334	--
Peumus boldus	Leaf	160.0	200.0	-0.13413134490625717	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Picea glauca	Twig				--
Pimenta dioica	Plant				--
Pimenta racemosa	Leaf	1.0	35.0	-0.37750495647165555	--
Pimpinella anisum	Seed		1.0	-0.6922432681985977	--
Pimpinella anisum	Fruit		1.0	-0.2978113268433539	--
Pinus wallichiana	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus roxburghii	Resin, Exudate, Sap	50000.0	100000.0	-0.755417079698838	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Essential Oil				--
Pinus sylvestris	Resin, Exudate, Sap				--
Pinus palustris	Resin, Exudate, Sap	63600.0	79500.0	-0.8291953080638984	Guenther, E., The Essential Oils, 6 volumes. D. van Nostrand, New York, 1948-1952.
Pinus kesiya	Resin, Exudate, Sap	26000.0	650000.0	1.2239988032661973	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus insularis	Resin, Exudate, Sap	26000.0	650000.0	1.2239988032661973	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Twig				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pinus sylvestris</i>	Leaf Essent. Oil		65000.0	2.10395512758855	--
<i>Pinus sylvestris</i>	Leaf	200.0	1500.0	1.7833577159120335	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pinus mugo</i>	Leaf				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Pinus gerardiana</i>	Resin, Exudate, Sap		70000.0	-0.863385218769658	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pinus sylvestris</i>	Flower				--
<i>Pinus sylvestris</i>	Root Essent. Oil	175000.0	200000.0	1.6637047098912103	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Pinus elliottii</i>	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Piper cubeba</i>	Fruit Essent. Oil				--
<i>Piper nigrum</i>	Essential Oil				--
<i>Piper nigrum</i>	Fruit		2355.0	-0.2223943577434541	--
<i>Piper nigrum</i>	Seed Essent. Oil				--
<i>Piper auritum</i>	Leaf				Tramil
<i>Piper cubeba</i>	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Piper nigrum</i>	Fruit Essent. Oil	85000.0	138000.0	0.9556217102868814	--
<i>Pistacia lentiscus</i>	Plant				--
<i>Pogostemon cablin</i>	Plant				--
<i>Polygonum hydropiper</i>	Essential Oil				--
<i>Porophyllum ruderale</i>	Plant	3.0	4.0	-0.4311676731123628	Loayza, I., de Groot, W., Lorenzo, D. et al. 1999. Composition of the essential oil of <i>Porophyllum ruderale</i> (Jacq.) Cass. from Bolivia. Flav. & Fragr. J. 14: 393-8.
<i>Prunella vulgaris</i>	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunella vulgaris</i>	Plant		785.0	0.4121047787093985	--
<i>Psidium guajava</i>	Fruit				--
<i>Psidium guajava</i>	Pericarp Essent. Oil				--
<i>Psidium guajava</i>	Leaf Essent. Oil				--
<i>Ptychopetalum olacoides</i>	Root Essent. Oil		78000.0	-0.10676734275314331	Uber Bucek, E., Fournier, G., Dadoun, H. 1987. Volatile Constituents of <i>Ptychopetalum olacoides</i> Root Oil. <i>Planta Med.</i> 53, 2: 231.
<i>Pycnanthemum incanum</i>	Shoot	44.0	95.0	-0.1144458250424447	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum californicum</i>	Shoot		108.0	-0.11353520090876451	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum beadlei</i>	Shoot		14.0	-0.1201197138753751	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot	6.0	145.0	-0.11094342452829013	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1.0	100.0	-0.11409558499102924	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	38.0	140.0	-0.2226308400209475	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum montanum</i>	Shoot	7.0	56.0	-0.11717769744348526	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum curvipes</i>	Shoot		42.0	-0.11815836958744855	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum verticillatum</i>	Shoot		63.0	-0.11668736137150362	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum setosum</i>	Shoot	40.0	527.0	-0.08418508460014923	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Flower	38.0	140.0	0.012698786823447479	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum loomisii</i>	Shoot	825.0	1218.0	-0.0357819094945331	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pycnanthemum clinopodioides	Shoot	63.0	66.0	-0.11647721734065435	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum torreyi	Shoot		20.0	-0.11969942581367655	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pycnanthemoïdes	Shoot	117.0	290.0	-0.10078646303724188	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum muticum	Shoot	29.0	150.0	-0.11059318447687468	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Ravensara aromatica	Leaf		60.0	-0.3406301668405346	--
Ravensara aromatica	Bark		22.0	-1.0	--
Ribes nigrum	Fruit		130000.0	3.8670699671319455	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosa gallica	Essential Oil				--
Rosa damascena	Essential Oil				--
Rosa centifolia	Essential Oil				--
Rosmarinus officinalis	Plant	17.0	1425.0	1.10313470081686	--
Rosmarinus officinalis	Resin, Exudate, Sap				--
Rosmarinus eriocalyx	Shoot	33.0	105.0	-0.11374534493961379	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus eriocalyx	Shoot	33.0	105.0	-0.11374534493961379	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Shoot Essent. Oil		4400.0	-0.4055574998009149	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus x lavandulaceus	Shoot	0.1	210.0	-0.1063903038598892	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Shoot	135.0	530.0	-0.08397494056929995	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Leaf		17.0	-0.40405480500606267	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Leaf Essent. Oil		21000.0	-0.012734377596635897	--
Rosmarinus tomentosus	Shoot	90.0	295.0	-0.10043622298582643	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Shoot		285.0	-0.10113670308865734	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
Rosmarinus officinalis	Leaf		17.0	-0.40405480500606267	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Essential Oil	34000.0	85000.0	1.1569843346128765	--
Rosmarinus x mendizabalii	Shoot	130.0	485.0	-0.08712710103203906	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Shoot	75.0	200.0	-0.1070907839627201	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246.
Ruta graveolens	Plant				--
Salvia officinalis	Essential Oil	11300.0	26100.0	-0.15085215632839455	--
Salvia dorisiana	Shoot	2.2	2.4	-0.12093227079465899	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. <i>J. Ess. Oil Res.</i> 6: 97-8.
Salvia officinalis	Plant	20.0	1540.0	1.2273041399455444	--
Salvia officinalis	Et		18000.0		--
Salvia canariensis	Leaf		28.0	-0.38782989756836944	Casnigueral,S., Iglesias,J., Vila,R., Virgili,A. and Ibanez,C.1994. The Essential Oil from Leaves of Salvia canariensis L. <i>Flav. & Frag.</i> J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave.Diagonal 643,E-08028, Barcelone Spain
Salvia triloba	Plant	230.0	1590.0	1.2812908526101898	--
Salvia officinalis	Leaf Essent. Oil	21000.0	55000.0	1.62288933095553	--
Salvia gilliesii	Shoot		4.5	-0.12078516997306447	Velasco-Negueruela, A. et al. 1993. The Essential Oil of Salvia gilliesii Benth. <i>J. Ess. Oil Res.</i> 5: 319-320.
Salvia sclarea	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Sarracenia flava	Essential Oil				--
Sassafras albidum	Leaf	0.06	2.4	-0.42558968215063736	--
Satureja obovata	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. <i>Phytochemistry</i> 35(1): 83.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja thymbra</i>	Shoot		185.0	-0.10814150411696648	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
<i>Satureja parvifolia</i>	Shoot		22.0	-0.11955932979311037	Zygadlo, J.A., Merino, E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of <i>Satureja odora</i> and <i>Satureja parvifolia</i> from Argentina. J. Ess. Oil Res. 5: 549-51.
<i>Satureja montana</i>	Plant	1.0	55.0	-0.37610122619442454	--
<i>Satureja montana</i>	Essential Oil		17000.0	-0.3529117839610865	--
<i>Satureja cuneifolia</i>	Shoot		60.0	-0.1168975054023529	Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . J. Ess. Oil Res., 3: 365-366.
<i>Satureja douglasii</i>	Plant	130.0	572.0	0.18212138275800901	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja obovata</i>	Shoot	95.0	145.0	-0.11094342452829013	Fitoterapia No.60: 277.
<i>Satureja obovata</i>	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . Phytochemistry 35(1): 83.
<i>Satureja odora</i>	Shoot		18.0	-0.11983952183424273	Zygadlo, J.A., Merino, E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of <i>Satureja odora</i> and <i>Satureja parvifolia</i> from Argentina. J. Ess. Oil Res. 5: 549-51.
<i>Satureja hortensis</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Satureja cilicica</i>	Shoot		22.0	-0.11955932979311037	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicica</i> P.H. Davis. J. Ess. Oil Res. 5: 547-548.
<i>Satureja obovata</i>	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . Phytochemistry 35(1): 83.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja obovata</i>	Leaf		0.01	-0.42911491203937246	Arreola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja grandiflora</i>	Shoot		10.0	-0.12039990591650747	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. <i>J. Ess. Oil Res.</i> , 3: 361-362
<i>Satureja glabella</i>	Plant		50.0	-0.3814998974608891	--
<i>Schinus molle</i>	Fruit				--
<i>Sideritis pauli</i>	Shoot		110.0	-0.11339510488819833	Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of <i>Sideritis pauli</i> Pau. <i>FFJ7</i> : 47-8. 1992.
<i>Sideritis germanicolpitana</i>	Plant	122.0	123.0	-0.3026792969705068	<i>J. Essential Oil</i> , 4: 533.
<i>Sideritis athoa</i>	Shoot		310.0	-0.09938550283158006	Ozek, T., Baser, K.H.C. and Tumen, G. 1993. The Essential Oil of <i>Sideritis athoa</i> Papanikolaou Et Kokkini. <i>J. Ess. Oil Res.</i> 5: 669-670.
<i>Stevia rebaudiana</i>	Leaf		20.0	-0.39962983025032817	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. <i>Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Flower		70.0	-0.299984908829278	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. <i>Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Syzygium aromaticum</i>	Plant				--
<i>Syzygium aromaticum</i>	Fruit				--
<i>Tagetes minuta</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tagetes minuta</i>	Leaf Essent. Oil				Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. <i>J. Essent. Oil Res.</i> 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Tagetes filifolia</i>	Leaf Essent. Oil				Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
<i>Tagetes minuta</i>	Essential Oil		14800.0	-0.4017613642678912	--
<i>Tamarindus indica</i>	Fruit Essent. Oil				--
<i>Tanacetum parthenium</i>	Fruit Essent. Oil		1000.0	-0.7715573703107804	--
<i>Tanacetum parthenium</i>	Shoot		4.0	-0.12082019397820601	Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
<i>Tanacetum parthenium</i>	Essential Oil				--
<i>Telosma cordata</i>	Flower		31.0	-0.4741943964072251	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of <i>Telosma cordata</i> Merrill flowers, Flavour Fragr. J., Vol 8, 221-223.
<i>Tetraclinis articulata</i>	Resin, Exudate, Sap				--
<i>Teucrium salviastrum</i>	Shoot		1.71	-0.12098060392175436	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
<i>Teucrium kotschyanum</i>	Leaf		0.0	-0.4291296619552249	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. J. Ethnopharm. 35: 105-113.
<i>Teucrium polium</i>	Shoot		60.0	-0.1168975054023529	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. J. Ess. Oil Res. 5: 397-402.
<i>Teucrium cyprium</i>	Leaf		115.0	-0.25950562965206847	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. J. Ethnopharm. 35: 105-113.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium pseudoscorodonia</i>	Shoot				Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
<i>Teucrium gnaphalodes</i>	Shoot		35.0	-0.11864870565943018	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
<i>Teucrium oxylepis</i>	Shoot		0.75	-0.12104785001162606	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
<i>Teucrium asiaticum</i>	Shoot		1.03	-0.12102823656874674	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
<i>Teucrium polium</i>	Plant				Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
<i>Teucrium micropodioides</i>	Leaf		705.0	0.6107394056423866	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium scorodonia</i>	Shoot		5.91	-0.12068640227856532	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
<i>Teucrium divaricatum</i>	Leaf		185.0	-0.15625621868492973	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium oxylepis</i>	Shoot		0.15	-0.12108987881779594	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus capitatus</i>	Shoot		0.0	-0.12110038601933838	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7.
<i>Thymus x citriodorus</i>	Plant		10.0	-0.4246892675926054	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. & Fragr. J.</i> 10: 225-229.
<i>Thymus saturejoides</i>	Shoot		310.0	-0.09938550283158006	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus zygis</i>	Shoot		70.0	-0.11619702529952199	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus longicaulis</i>	Shoot		24.0	-0.11941923377254418	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus orospedanus</i>	Plant		1.0	-0.4344068758722416	J. Nat. Prod.
<i>Thymus capitatus</i>	Plant		10.0	-0.4246892675926054	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus funkii</i>	Shoot		490.0	-0.08677686098062361	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus zygis</i>	Shoot	20.0	200.0	-0.1070907839627201	De Cunha, A.P. and Salguero, L.R. 1991. The Chemical Polymorphism of <i>Thymus zygis</i> ssp. <i>sylvestris</i> from Central Portugal. <i>J. Ess. Oil Res.</i> 3: 409-12.
<i>Thymus riatarum</i>	Shoot		35.0	-0.11864870565943018	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and Il Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . <i>J. Ess. Oil Res.</i> 3: 43-4.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus longicaulis</i>	Shoot				Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus vulgaris</i>	Plant	15.0	420.0	0.018001776257486977	--
<i>Thymus mastichina</i>	Plant	200.0	270.0	-0.14395836173644924	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus vulgaris</i>	Essential Oil		3400.0	-0.6548910076758792	--
<i>Thymus funkii</i>	Shoot		490.0	-0.08677686098062361	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> . <i>Cousson. Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus zygis</i>	Shoot		8.0	-0.12054000193707365	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. <i>JEO5</i> : 153-8.
<i>Thymus broussonettii</i>	Shoot		40.0	-0.11829846560801473	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus longicaulis</i>	Shoot				Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus serpyllum</i>	Plant	1.0	19.0	-0.4149716593129692	--
<i>Trachyspermum ammi</i>	Fruit	372.0	1400.0	-0.252990451834535	--
<i>Trichostemma dichotomum</i>	Shoot		23.0	-0.11948928178282728	Tucker, A.O. and Maciarello, M.J. 1990. The Essential Oil of <i>Trichostemma dichotomum</i> . <i>J. Ess. Oil Res.</i> 2: 149-150.
<i>Turnera diffusa</i>	Leaf	50.0	100.0	-0.28163050343074103	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Umbellularia californica</i>	Plant	230.0	920.0	0.5578689029039411	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Valeriana officinalis	Root	50.0	960.0	0.40905564902771346	--
Valeriana officinalis	Leaf	12.0	1100.0	1.193361081814098	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Valeriana officinalis	Leaf Essent. Oil	5400.0	43000.0	1.0456103749959569	--
Valeriana officinalis	Root Essent. Oil		48000.0	-0.542129322911591	--
Vetiveria zizanioides	Root		15.0	-0.6777979264114313	--
Vitex agnus-castus	Fruit Essent. Oil		8300.0	-0.6795252003227298	Jim Duke's personal files.
Vitex agnus-castus	Flower				Jim Duke's personal files.
Vitex agnus-castus	Leaf Essent. Oil		9800.0	-0.5515280698255924	Jim Duke's personal files.
Vitex agnus-castus	Leaf		2.5	-0.42544218299211284	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntiemein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
Vitex agnus-castus	Fruit	600.0	4000.0	-0.1696921851991317	--
Zea mays	Silk Essent. Oil		3000.0		--
Zingiber officinale	Rhizome		100.0	0.1867718419094071	--
Zingiber officinale	Rhizome Essent. Oil		5300.0	1.248959633610851	--